PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference 51687/382205	FOR FURTHER ACTION	see Form PCT/ISA/220 as well as, where applicable, item 5 below.
International application No.	International filing date (day/month/yea	ar) (Earliest) Priority Date (day/month/year)
PCT/US2009/058497	25/09/2009	25/09/2008
Applicant		
*	-	
TRANSGENRX, INC.		
This international search report has been according to Article 18. A copy is being to	prepared by this International Searching ansmitted to the International Bureau.	Authority and is transmitted to the applicant
This international search report consists o		
X It is also accompanied by	a copy of each prior art document cited	in this report.
1. Basis of the report		
a. With regard to the language, the	international search was carried out on t	the basis of:
	application in the language in which it wa	
a translation of the of a translation fu	e international application into rnished for the purposes of international	search (Rules 12.3(a) and 23.1(b))
• • • • • • • • • • • • • • • • • • •	report has been established taking into a to this Authority under Rule 91 (Rule 43.6	account the rectification of an obvious mistake 6 <i>bis</i> (a)).
c. X With regard to any nucle	otide and/or amino acid sequence disa	closed in the international application, see Box No. I.
2. Certain claims were fou	ind unsearchable (See Box No. II)	
3. Unity of invention is lac	king (see Box No III)	
4. With regard to the title ,		
X the text is approved as su	ubmitted by the applicant	
the text has been establis	shed by this Authority to read as follows:	
5. With regard to the abstract,		
X the text is approved as su	·	
		Authority as it appears in Box No. IV. The applicant all search report, submit comments to this Authority
6. With regard to the drawings,		
a. the figure of the drawings to be p	oublished with the abstract is Figure No.	
as suggested by	the applicant	
as selected by th	is Authority, because the applicant failed	to suggest a figure
	is Authority, because this figure better ch	naracterizes the invention
b. X none of the figures is to be	e published with the abstract	

International application No.

PCT/US2009/058497

Вох	No. I	Nucleotide and/or amino acid sequence(s) (Continuation of item 1.b of the first sheet)
1.	With reinvent	egard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed tion, the international search was carried out on the basis of:
	Ţ	(means) X on paper X in electronic form
		in the international application as filed together with the international application in electronic form x subsequently to this Authority for the purpose of search
2.	X	In addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.
3.	Additio	onal comments:
010		

International application No PCT/US2009/058497

	C12N15/85		
	o International Patent Classification (IPC) or to both national classific	ation and IPC	
	SEARCHED ocumentation searched (classification system followed by classification)	on symbols)	
C12N			
Documenta	tion searched other than minimum documentation to the extent that s	such documents are included in the fields se	earched
	ata base consulted during the international search (name of data baternal, BIOSIS, COMPENDEX, Sequence	•	•
C. DOCUM	ENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the rel	evant passages	Relevant to claim No.
X	WO 2004/003157 A2 (TRANSGENRES LL UNIV LOUISIANA STATE [US]; COOPER K [US]) 8 January 2004 (2004-01-0 the whole document, in particular paragr.; p.6, 2nd paragr.; p.12, paragr.; p.23, 2nd paragr.; p.32, Example 20 (pTnMCS (CMV-prepro-ent-hGH-CPA), pTnMCS (CHOVep-prepro-ent-hGH-CPA), pTnMC (CHOVep-prepro-ent-hGH-CPA)) and classically and classically are considered as a constant of the constant of	R RICHARD 08) p.4, 2nd last 1.18;	1,11,13
X Furt	ner documents are listed in the continuation of Box C.	X See patent family annex.	
 "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but 		 "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. "&" document member of the same patent family 	
Date of the	actual completion of the international search	Date of mailing of the international sea	rch report
1	9 March 2010	14/04/2010	
Name and mailing address of the ISA/ European Patent Office, P.B. 5818 Patentlaan 2 NL – 2280 HV Rijswijk Tel. (+31–70) 340–2040, Fax: (+31–70) 340–3016		Authorized officer Bassias, Ioannis	

2

International application No
PCT/US2009/058497

C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT			
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.	
X	WO 2004/067707 A2 (TRANSGENRES LLC [US]; UNIV LOUISIANA STATE [US]; COOPER RICHARD K [US]) 12 August 2004 (2004-08-12) the whole document, in particular p.4, 2nd paragr.; p.6, 2nd paragr.; p.12, 4th paragr.; p.24, 1st paragr.; p.28, 1.26; p.33, 1.4; Example 13 (pTnMCS (CHOVep-prepro-ent-hGH-CPA), pTnMOD (CHOVep-prepro-ent-hGH-CPA)) and claims	1,11,13	
A	GEYER P K ET AL: "Protecting against promiscuity: The regulatory role of insulators." CMLS CELLULAR AND MOLECULAR LIFE SCIENCES, vol. 59, no. 12, December 2002 (2002-12), pages 2112-2127, XP002573586 ISSN: 1420-682X the whole document, in particular Table 1	1-14	
A	MAKSIMENKO O G ET AL: "[Insulators of higher eukaryotes: properties, mechanisms of action, and role in transcriptional regulation]" GENETIKA AUG 2006, vol. 42, no. 8, August 2006 (2006-08), pages 1029-1044, XP002573587 ISSN: 0016-6758	1-14	
4	WO 2004/065581 A2 (DISCOVERY GENOMICS INC [US]) 5 August 2004 (2004-08-05)	1-14	
A	LARGAESPADA DAVID A: "Generating and manipulating transgenic animals using transposable elements" REPRODUCTIVE BIOLOGY AND ENDOCRINOLOGY, XX, XX, vol. 1, no. 1, 7 November 2003 (2003-11-07), page 80, XP021009352 ISSN: 1477-7827	1-14	
	KOZAK ET AL: "At least six nucleotides preceding the AUG initiator codon enhance translation in mammalian cells" JOURNAL OF MOLECULAR BIOLOGY, LONDON, GB, vol. 196, no. 4, 20 August 1987 (1987-08-20), pages 947-950, XP024010432 ISSN: 0022-2836 [retrieved on 1987-08-20]	1-14	

Information on patent family members

International application No
PCT/US2009/058497

Patent document cited in search report	Publication date		Patent family member(s)	Publication date
WO 2004003157 A2	08-01-2004	AT	430756 T	15-05-2009
		AU	2003261096 A1	19-01-2004
		BR	0305217 A	28-06-2005
		CA	2490693 A1	08-01-2004
		EP	1539785 A2	15-06-2005
		JP	2005530516 T	13-10-2005
WO 2004067707 A2	12-08-2004	AT	431849 T	15-06-2009
		AU	2003299959 A1	23-08-2004
		AU	2003303830 A1	23-08-2004
		AU	2003303831 A1	23-08-2004
		EP	1592789 A2	09-11-2005
•		EP	1597378 A2	23-11-2005
·		JP	2006512921 T	20-04-2006
		JP	2006512922 T	20-04-2006
		WO	2004067706 A2	12-08-2004
		WO	2004067743 A1	12-08-2004
WO 2004065581 A2	05-08-2004	NONE	——————————————————————————————————————	